

# SIEMENS

## MAMMOMAT 3000

**SP**

Service

### Installation Instruction

Detector mask

Kit; 64 31 659 X041E

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Register 5

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English

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**64 27 798**

## General

### Purpose

This is an instruction of how to mount a detector mask for small breast at wing 2 (the wing without connector for the stereotactic unit).

### Documents required

Installation and Start-Up Instructions for MAMMOMAT 3000;  
RXB7-230.033.01.....

Service Instructions for MAMMOMAT 3000;  
RXB7-230.061.01.....

### Tools required

Standard installation tools

### Time required

1,0h/1 person

### Contents of the kit

The kit 64 31 659 X041E contains of following parts:

Pos.	Amount	Name
E	2	Tape stripes
F	1	Detector Mask
-	1	Installation Instructions (english)
G, H, J	3	Supplement to Operating Instructions (english) (text stripes to place in the Operating Instructions)
K	1	Label

### Training of field service engineers

Due to the technology, used in this equipment, the installation is only allowed to be performed by a field service engineer trained on MAMMOMAT 3000.

### Safety notes

When performing work and tests the following must be observed;

- the safety notes RA0-000-012.04..... (TI216)
- the general safety notes contained in Register 2 of the TI binder / ARTD Part 2 (CD ROM)

## Procedure

### Initial measuring of sensitivity *before* installation of detector mask

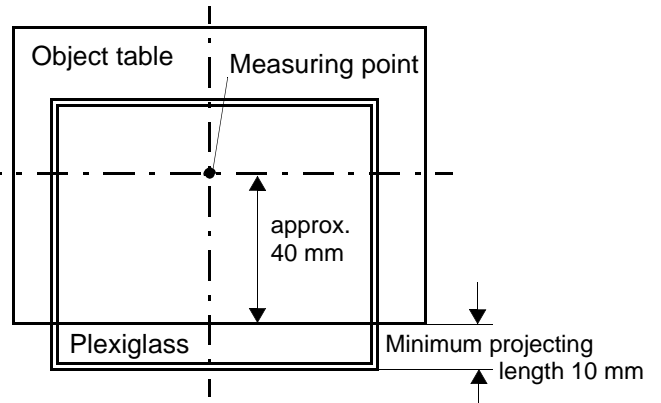
#### Wing 2;

- 1 Make an IONTOMAT exposure at grid table 18 x 24 with anode/filter combination Mo/Mo at 25 kV and 20 mm plexiglass. See figure.

Use the cassette used for quality tests!

The plexi must extend 10 mm beyond the chest wall edge of the table.

- 2 Measure and note the density on the emulsion side of the film.
- 3 Repeat exposure and density determination with magnification table. Use the cassette used for quality tests!

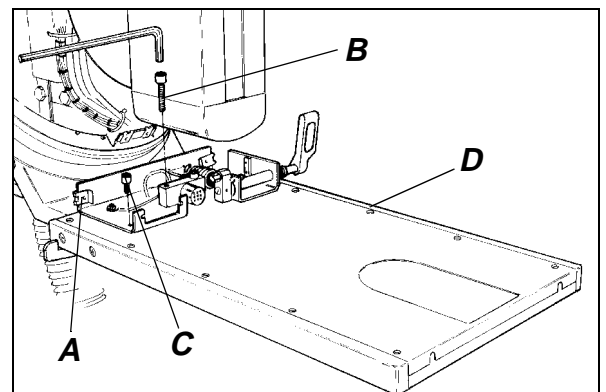


### Kit installation

#### Removing the base-plate cover at wing 2

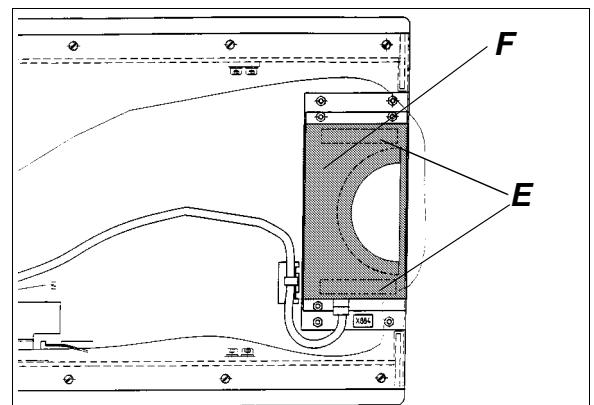
(the wing without connector for the stereotactic unit)

- 4 System OFF
- 5 Loosen the two screws (A) to remove the cover over the table-locking device.
- 6 Loosen the four screws (B and C) to remove the table-locking device from the base plate.
- 7 Loosen the ten screws (D) and carefully lift the base-plate cover at the front. The double detector is now accessible.



#### Placing the detector mask

- 8 Place the two tapes (E) on the double detector.
- 9 Place the detector mask (F) over the double detector and press to get it fixed by the tape.



#### Fasten the base-plate cover

## Final procedure

### Settings

- 10 System ON.
- 11 Connect service PC.
- 12 Go to menu; *Configuration - IONTOMAT PM - Sensitivity correction*. Reduce the present setting for wing 2 with 3.0 E.P. for grid and 3.5 E.P. for magnification. Save the settings.

### Check grid settings

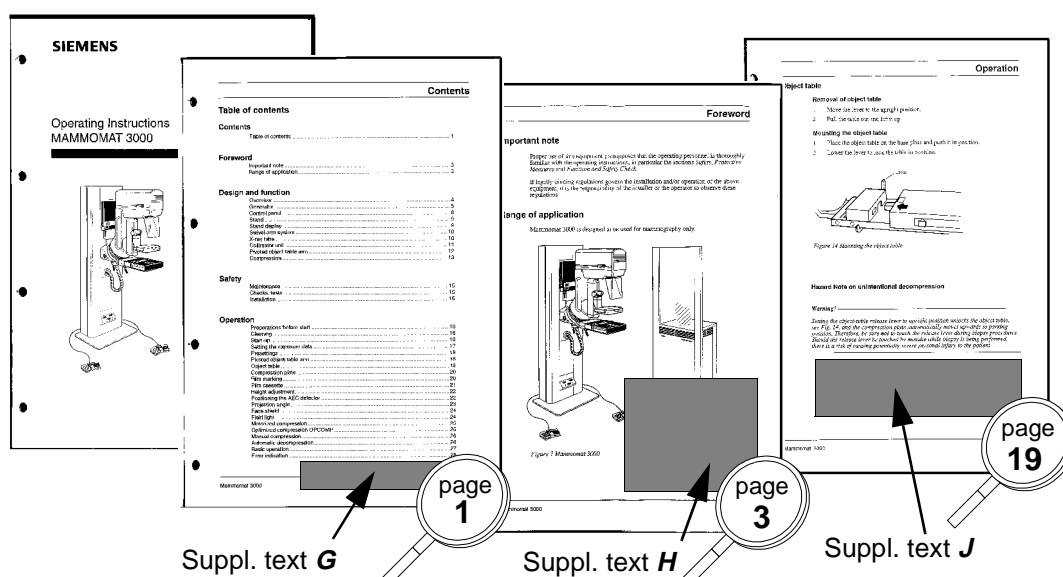
- 13 Repeat *step 1* and *2* with the same cassette and the same settings. If the density measured is within  $\pm 0.10$  O.D. compared to density originally measured in *step 2*, continue with *step 14*. Otherwise change the settings for grid, described in *step 11* accordingly. Repeat exposure and density measurements until correct density has been achieved.

### Check magnification settings

- 14 Repeat *step 3* with the same cassette and the same settings. If the density measured is within  $\pm 0.10$  O.D. compared to density originally measured in *step 3*, continue with *step 15*. Otherwise change the settings for magnification, described in *step 11* accordingly. Repeat exposure and density measurements until correct density has been achieved.
- 15 Disconnect the service PC and close all covers.

### Place supplemented text stripes in the Operating Instructions

- 16 Cut out and place the supplemented text stripes from the self-adhesives sheet into Operating Instructions as shown below.



### Place the label on the object table

- 17 Place the self-adhesives label on the object table as shown in figure beside.

